

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/553,273
Source: pc71p
Date Processed by STIC: 10/24/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 10/24/2005

PATENT APPLICATION: US/10/553,273

TIME: 11:00:06

Input Set : A:\3169us0pSeq.txt

Output Set: N:\CRF4\10242005\J553273.raw

```

3 <110> APPLICANT: ITOH, Fumio
4     HINUMA, Shuji
5     KANZAKI, Naoyuki
6     MABUCHI, Hiroshi
7     YOSHIDA, Hiromi
8     MATSUMOTO, Hirokazu
9     WAKABAYASHI, Takeshi
11 <120> TITLE OF INVENTION: Receptor Antagonist
13 <130> FILE REFERENCE: 3169US0P
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/553,273
C--> 16 <141> CURRENT FILING DATE: 2005-10-12
18 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/005406
19 <151> PRIOR FILING DATE: 2004-04-15
21 <150> PRIOR APPLICATION NUMBER: JP 2003-114313
22 <151> PRIOR FILING DATE: 2003-04-18
24 <160> NUMBER OF SEQ ID NOS: 4
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 430
28 <212> TYPE: PRT
30 <213> ORGANISM: Human
32 <400> SEQUENCE: 1
33 Met Glu Gly Glu Pro Ser Gln Pro Pro Asn Ser Ser Trp Pro Leu Ser
34 1           5           10           15
35 Gln Asn Gly Thr Asn Thr Glu Ala Thr Pro Ala Thr Asn Leu Thr Phe
36           20           25           30
37 Ser Ser Tyr Tyr Gln His Thr Ser Pro Val Ala Ala Met Phe Ile Val
38           35           40           45
39 Ala Tyr Ala Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
40           50           55           60
41 Cys Phe Ile Val Leu Lys Asn Arg His Met His Thr Val Thr Asn Met
42 65           70           75           80
43 Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
44           85           90           95
45 Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
46           100          105          110
47 Asn Ala Thr Cys Lys Met Ser Gly Leu Val Gln Gly Met Ser Val Ser
48           115          120          125
49 Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Glu Arg Phe Arg Cys
50           130          135          140
51 Ile Val His Pro Phe Arg Glu Lys Leu Thr Leu Arg Lys Ala Leu Val
52 145          150          155          160
53 Thr Ile Ala Val Ile Trp Ala Leu Ala Leu Ile Met Cys Pro Ser
54           165          170          175

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55 Ala Val Thr Leu Thr Val Thr Arg Glu Glu His His Phe Met Val Asp
56           180           185           190
57 Ala Arg Asn Arg Ser Tyr Pro Leu Tyr Ser Cys Trp Glu Ala Trp Pro
58           195           200           205
59 Glu Lys Gly Met Arg Arg Val Tyr Thr Thr Val Leu Phe Ser His Ile
60           210           215           220
61 Tyr Leu Ala Pro Leu Ala Leu Ile Val Val Met Tyr Ala Arg Ile Ala
62 225           230           235           240
63 Arg Lys Leu Cys Gln Ala Pro Gly Pro Ala Pro Gly Gly Glu Glu Ala
64           245           250           255
65 Ala Asp Pro Arg Ala Ser Arg Arg Arg Ala Arg Val Val His Met Leu
66           260           265           270
67 Val Met Val Ala Leu Phe Phe Thr Leu Ser Trp Leu Pro Leu Trp Ala
68           275           280           285
69 Leu Leu Leu Leu Ile Asp Tyr Gly Gln Leu Ser Ala Pro Gln Leu His
70           290           295           300
71 Leu Val Thr Val Tyr Ala Phe Pro Phe Ala His Trp Leu Ala Phe Phe
72 305           310           315           320
73 Asn Ser Ser Ala Asn Pro Ile Ile Tyr Gly Tyr Phe Asn Glu Asn Phe
74           325           330           335
75 Arg Arg Gly Phe Gln Ala Ala Phe Arg Ala Arg Leu Cys Pro Arg Pro
76           340           345           350
77 Ser Gly Ser His Lys Glu Ala Tyr Ser Glu Arg Pro Gly Gly Leu Leu
78           355           360           365
79 His Arg Arg Val Phe Val Val Val Arg Pro Ser Asp Ser Gly Leu Pro
80           370           375           380
81 Ser Glu Ser Gly Pro Ser Ser Gly Ala Pro Arg Pro Gly Arg Leu Pro
82 385           390           395           400
83 Leu Arg Asn Gly Arg Val Ala His His Gly Leu Pro Arg Glu Gly Pro
84           405           410           415
85 Gly Cys Ser His Leu Pro Leu Thr Ile Pro Ala Trp Asp Ile
86           420           425           430
87 <210> SEQ ID NO: 2
88 <211> LENGTH: 432
89 <212> TYPE: PRT
90 <213> ORGANISM: Rat
92 <400> SEQUENCE: 2
93 Met Glu Ala Glu Pro Ser Gln Pro Pro Asn Gly Ser Trp Pro Leu Gly
94           5           10           15
95 Gln Asn Gly Ser Asp Val Glu Thr Ser Met Ala Thr Ser Leu Thr Phe
96           20           25           30
97 Ser Ser Tyr Tyr Gln His Ser Ser Pro Val Ala Ala Met Phe Ile Ala
98           35           40           45
99 Ala Tyr Val Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
100          50           55           60
101 Cys Phe Ile Val Leu Lys Asn Arg His Met Arg Thr Val Thr Asn Met
102 65           70           75           80
103 Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
104           85           90           95

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```

105 Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
106          100          105          110
107 Asn Ala Thr Cys Lys Met Ser Gly Leu Val Gln Gly Met Ser Val Ser
108          115          120          125
109 Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Glu Arg Phe Arg Cys
110          130          135          140
111 Ile Val His Pro Phe Arg Glu Lys Leu Thr Leu Arg Lys Ala Leu Phe
112 145          150          155          160
113 Thr Ile Ala Val Ile Trp Ala Leu Ala Leu Leu Ile Met Cys Pro Ser
114          165          170          175
115 Ala Val Thr Leu Thr Val Thr Arg Glu Glu His His Phe Met Leu Asp
116          180          185          190
117 Ala Arg Asn Arg Ser Tyr Pro Leu Tyr Ser Cys Trp Glu Ala Trp Pro
118          195          200          205
119 Glu Lys Gly Met Arg Lys Val Tyr Thr Ala Val Leu Phe Ala His Ile
120          210          215          220
121 Tyr Leu Val Pro Leu Ala Leu Ile Val Val Met Tyr Val Arg Ile Ala
122 225          230          235          240
123 Arg Lys Leu Cys Gln Ala Pro Gly Pro Ala Arg Asp Thr Glu Glu Ala
124          245          250          255
125 Val Ala Glu Gly Gly Arg Thr Ser Arg Arg Arg Ala Arg Val Val His
126          260          265          270
127 Met Leu Val Met Val Ala Leu Phe Phe Thr Leu Ser Trp Leu Pro Leu
128          275          280          285
129 Trp Val Leu Leu Leu Leu Ile Asp Tyr Gly Glu Leu Ser Glu Leu Gln
130          290          295          300
131 Leu His Leu Leu Ser Val Tyr Ala Phe Pro Leu Ala His Trp Leu Ala
132 305          310          315          320
133 Phe Phe His Ser Ser Ala Asn Pro Ile Ile Tyr Gly Tyr Phe Asn Glu
134          325          330          335
135 Asn Phe Arg Arg Gly Phe Gln Ala Ala Phe Arg Ala Gln Leu Cys Trp
136          340          345          350
137 Pro Pro Trp Ala Ala His Lys Gln Ala Tyr Ser Glu Arg Pro Asn Arg
138          355          360          365
139 Leu Leu Arg Arg Arg Val Val Val Asp Val Gln Pro Ser Asp Ser Gly
140          370          375          380
141 Leu Pro Ser Glu Ser Gly Pro Ser Ser Gly Val Pro Gly Pro Gly Arg
142 385          390          395          400
143 Leu Pro Leu Arg Asn Gly Arg Val Ala His Gln Asp Gly Pro Gly Glu
144          405          410          415
145 Gly Pro Gly Cys Asn His Met Pro Leu Thr Ile Pro Ala Trp Asn Ile
146          420          425          430
147 <210> SEQ ID NO: 3
148 <211> LENGTH: 432
149 <212> TYPE: PRT
150 <213> ORGANISM: Mouse
152 <400> SEQUENCE: 3
153 Met Glu Ala Glu Pro Ser Gln Pro Pro Asn Gly Ser Trp Pro Pro Ser
154          5          10          15

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```

155 Leu Asn Glu Ser Asp Ala Glu Thr Ala Pro Val Ala Ser Leu Thr Phe
156          20          25          30
157 Ser Ser Tyr Tyr Gln His Ser Ser Pro Val Ala Ala Met Phe Ile Ala
158          35          40          45
159 Ala Tyr Ala Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
160          50          55          60
161 Cys Phe Ile Val Leu Lys Asn Arg His Met Arg Thr Val Thr Asn Met
162          65          70          75          80
163 Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
164          85          90          95
165 Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
166          100          105          110
167 Asn Ala Thr Cys Lys Met Ser Gly Leu Val Gln Gly Met Ser Val Ser
168          115          120          125
169 Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Glu Arg Phe Arg Cys
170          130          135          140
171 Ile Val His Pro Phe Arg Glu Lys Leu Thr Leu Arg Lys Ala Leu Leu
172          145          150          155          160
173 Thr Ile Ala Val Ile Trp Ala Leu Ala Leu Ile Met Cys Pro Ser
174          165          170          175
175 Ala Val Thr Leu Thr Val Thr Arg Glu Glu His His Phe Met Leu Asp
176          180          185          190
177 Ala Arg Asn Arg Ser Tyr Pro Leu Tyr Ser Cys Trp Glu Ala Trp Pro
178          195          200          205
179 Glu Lys Gly Met Arg Lys Val Tyr Thr Ala Val Leu Phe Ala His Ile
180          210          215          220
181 Tyr Leu Ala Pro Leu Ala Leu Ile Val Val Met Tyr Ala Arg Ile Ala
182          225          230          235          240
183 Arg Lys Leu Cys Gln Ala Pro Gly Pro Ala Arg Asp Ala Glu Glu Ala
184          245          250          255
185 Val Ala Glu Gly Gly Arg Ala Ser Arg Arg Arg Ala Arg Val Val His
186          260          265          270
187 Met Leu Val Met Val Ala Leu Phe Thr Leu Ser Trp Leu Pro Leu
188          275          280          285
189 Trp Val Leu Leu Leu Leu Ile Asp Tyr Gly Glu Leu Ser Glu Leu Gln
190          290          295          300
191 Leu His Leu Leu Ser Val Tyr Ala Phe Pro Leu Ala His Trp Leu Ala
192          305          310          315          320
193 Phe Phe His Ser Ser Ala Asn Pro Ile Ile Tyr Gly Tyr Phe Asn Glu
194          325          330          335
195 Asn Phe Arg Arg Gly Phe Gln Ala Ala Phe Arg Ala Gln Leu Cys Trp
196          340          345          350
197 Leu Pro Trp Ala Ala His Lys Gln Ala Tyr Ser Glu Arg Pro Gly Arg
198          355          360          365
199 Leu Leu Arg Arg Arg Val Val Val Asp Val Gln Pro Ser Asp Ser Gly
200          370          375          380
201 Leu Pro Ser Glu Ser Gly Pro Ser Ser Gly Val Pro Gly Pro Asn Arg
202          385          390          395          400
203 Leu Pro Leu Arg Asn Gly Arg Val Ala His Gln Asp Gly Pro Arg Glu

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```

204          405          410          415
205 Gly Pro Gly Cys Asn His Met Pro Leu Thr Ile Pro Ala Trp Asn Ile
206          420          425          430
207 <210> SEQ ID NO: 4
208 <211> LENGTH: 180
209 <212> TYPE: PRT
210 <213> ORGANISM: Human
212 <400> SEQUENCE: 4
213 Met Glu Ile Ile Ser Ser Lys Leu Phe Ile Leu Leu Thr Leu Ala Thr
214 1          5          10          15
215 Ser Ser Leu Leu Thr Ser Asn Ile Phe Cys Ala Asp Glu Leu Val Met
216          20          25          30
217 Ser Asn Leu His Ser Lys Glu Asn Tyr Asp Lys Tyr Ser Glu Pro Arg
218          35          40          45
219 Gly Tyr Pro Lys Gly Glu Arg Ser Leu Asn Phe Glu Glu Leu Lys Asp
220          50          55          60
221 Trp Gly Pro Lys Asn Val Ile Lys Met Ser Thr Pro Ala Val Asn Lys
222 65          70          75          80
223 Met Pro His Ser Phe Ala Asn Leu Pro Leu Arg Phe Gly Arg Asn Val
224          85          90          95
225 Gln Glu Glu Arg Ser Ala Gly Ala Thr Ala Asn Leu Pro Leu Arg Ser
226          100          105          110
227 Gly Arg Asn Met Glu Val Ser Leu Val Arg Arg Val Pro Asn Leu Pro
228          115          120          125
229 Gln Arg Phe Gly Arg Thr Thr Thr Ala Lys Ser Val Cys Arg Met Leu
230          130          135          140
231 Ser Asp Leu Cys Gln Gly Ser Met His Ser Pro Cys Ala Asn Asp Leu
232 145          150          155          160
233 Phe Tyr Ser Met Thr Cys Gln His Gln Glu Ile Gln Asn Pro Asp Gln
234          165          170          175
235 Lys Gln Ser Arg
236          180

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VERIFICATION SUMMARY

DATE: 10/24/2005

PATENT APPLICATION: US/10/553,273

TIME: 11:00:07

Input Set : A:\3169usOpSeq.txt

Output Set: N:\CRF4\10242005\J553273.raw

L:15 M:270 C: Current Application Number differs, Replaced Application Number

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date